

Title (en)

HAND-HELD TEST METER WITH DISPLAY ILLUMINATION ADJUSTMENT CIRCUIT BLOCK

Title (de)

TRAGBARE TESTMESSVORRICHTUNG MIT SCHALTUNGSBLOCK ZUR ANZEIGEBELEUCHTUNGSANPASSUNG

Title (fr)

APPAREIL DE MESURE DE TEST PORTATIF AVEC BLOC CIRCUIT DE RÉGLAGE D'ÉCLAIRAGE D'AFFICHAGE

Publication

EP 2986976 A1 20160224 (EN)

Application

EP 14721246 A 20140416

Priority

- GB 201306983 A 20130417
- EP 2014057812 W 20140416

Abstract (en)

[origin: GB2513157A] A hand-held test meter 100 for use with an analytical test strip in the determination of an analyte (e.g. glucose) in a bodily fluid sample (e.g. a whole blood sample) includes a housing 110, 112, a display module LCD 102 with a display illumination sub-module LED 104, a micro-controller 116 disposed in the housing. A display illumination adjustment circuit block 118 has a photo-sensor 120 configured to sense ambient light levels and output a photo-sensor signal, a photo-sensor amplifier 122 configured to receive the photo-sensor signal and output an amplified photo-sensor signal, a transfer function sub-block 124, and an illumination sub-module driver 126. The illumination sub-module driver 126 is configured to drive the display illumination sub-module 104 to illuminate the display module 102 based on an illumination sub-module driver input signal. The brightness of the display module 102 can be adjusted in response to sensed changes in ambient light levels.

IPC 8 full level

G01N 27/327 (2006.01); **G09G 3/34** (2006.01)

CPC (source: EP GB US)

G01N 27/27 (2013.01 - US); **G01N 33/48785** (2013.01 - EP US); **G09G 3/3406** (2013.01 - EP GB US); **G01N 27/3273** (2013.01 - GB); **G02F 1/133603** (2013.01 - GB); **G09G 2320/0626** (2013.01 - US); **G09G 2330/023** (2013.01 - US); **G09G 2360/141** (2013.01 - GB); **G09G 2360/144** (2013.01 - EP GB US); **G09G 2380/08** (2013.01 - GB)

Citation (search report)

See references of WO 2014170402A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

GB 201306983 D0 20130529; **GB 2513157 A 20141022**; **GB 2513157 B 20160106**; AU 2014255746 A1 20151105; BR 112015026228 A2 20170725; CA 2909699 A1 20141023; CN 105122050 A 20151202; EP 2986976 A1 20160224; HK 1219777 A1 20170413; JP 2016515710 A 20160530; KR 20150143723 A 20151223; RU 2015149190 A 20170522; US 2016071467 A1 20160310; WO 2014170402 A1 20141023

DOCDB simple family (application)

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